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FIG. 1
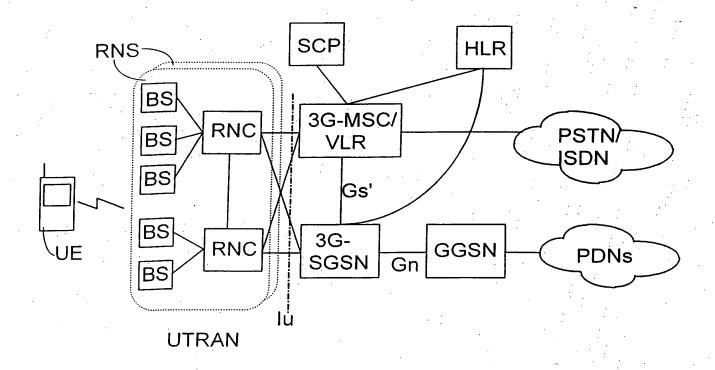

FIG. 2

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SNDCP				Relay				
				SNDCP	GTP		GTP	
LLC				LLC	UDP/ TCP		UDP/ TCP	
RLC		Relay		BSSGP				
		RLC	BSSGP		IP		IP	
MAC		MAC	Network Service	Network Service	L2		L2	
GSM RF		GSM RF	L1bis	L1bis	L1		L1	

MS	Um	BSS	Gb	SGSN	Gn	GGSN

FIG. 3a

PDCP		Relay						
		PDCP	GTP	GTP	GTP		GTP	
RLC		RLC	UDP	UDP	UDP		UDP	
MAC		MAC	IP	IP	IP		IP	
			AAL5	AAL5	L2		L2	
WCDMA/ TD-CDMA		WCDMA/ TD-CDMA	ATM	ATM				
			L1	L1	L1		L1	

MS	Uu	UTRAN	Iu	3G-SGSN	Gn	GGSN

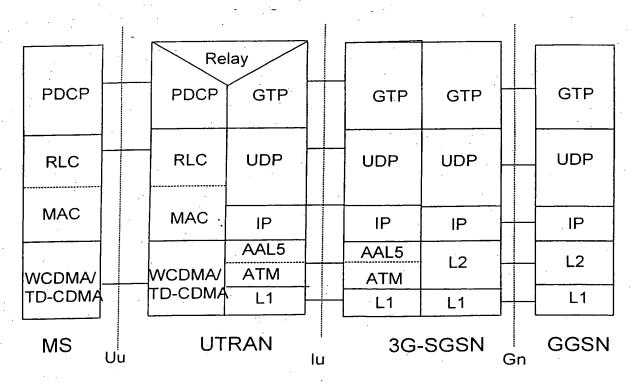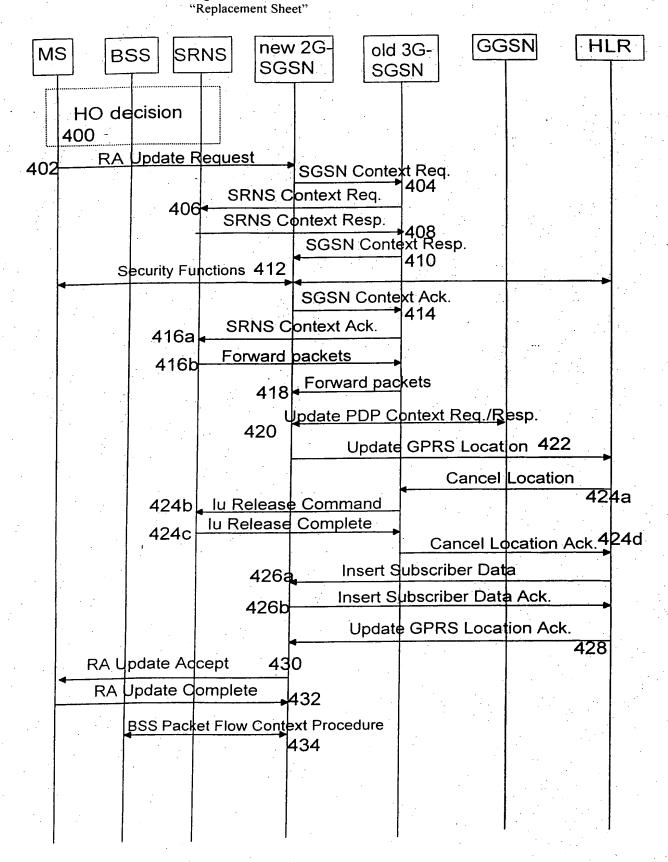### FIG. 3b

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MS	BSS	SRNS	new 2G-SGSN	old 3G-SGSN	GGSN	HLR

HO decision
400

402 — RA Update Request →

SGSN Context Req. → 404

SRNS Context Req. → 406

SRNS Context Resp. → 408

SGSN Context Resp. ← 410

Security Functions 412

SGSN Context Ack. → 414

SRNS Context Ack. ← 416a

Forward packets → 416b

Forward packets ← 418

Update PDP Context Req./Resp. 420

Update GPRS Location 422 →

Cancel Location ← 424a

Iu Release Command ← 424b

Iu Release Complete → 424c

Cancel Location Ack. → 424d

Insert Subscriber Data ← 426a

Insert Subscriber Data Ack. → 426b

Update GPRS Location Ack. ← 428

RA Update Accept 430 ←

RA Update Complete → 432

BSS Packet Flow Context Procedure 434

FIG. 4

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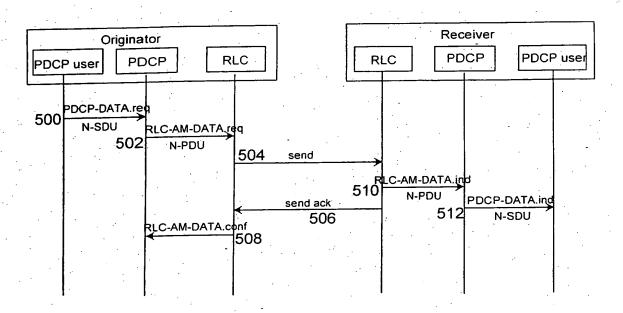Docket No. 460-010126-US (PAR)
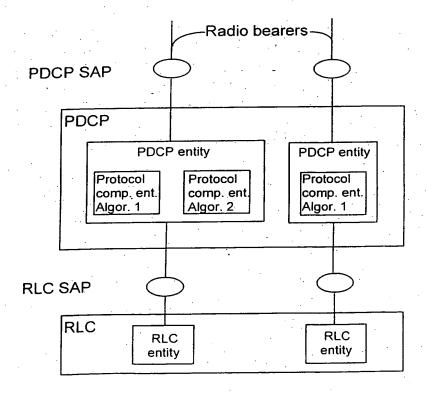Page 4 of 6
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FIG. 5

FIG. 6

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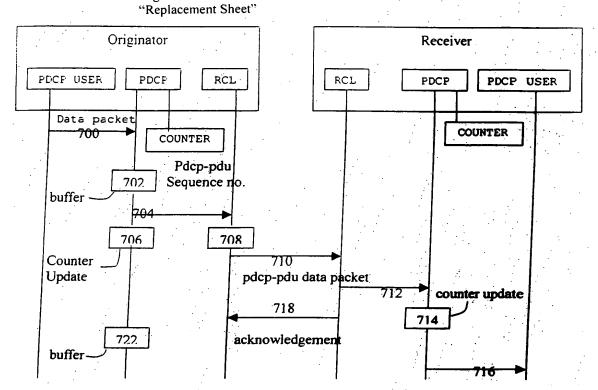Docket No. 460-010126-US (PAR)
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FIG. 7

8	7	6	5	4	3	2	1
X	X	N	O	OPT			
OPT							
N-PDU seq.nr							
Data							
Data							

FIG. 8

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Data
Data

FIG. 9a

PDU type	PID
Data	
Data	

FIG. 9b

PDU type	PID
Seq. number	
Seq. number	
Data	
Data	

FIG. 9c